



NORCOAST MARINE SURVEYORS, INC.

JIM STEFFEN, AMS-SAMS

Member ABYC, NFPA, IAMI

P. O. Box 936, Sitka, Alaska 99835

907-747-5394 Fax 907-747-6394

cell 907-738-6394

www.marinesurveyor.com/norcoast/

Alaska
Division of Investment

JUL 27 2009

Condition /Valuation, Purchase & Damage Surveys • Consulting • Audiogauge & Moisture Testing



SURVEY# 1093397

DATE OF REPORT: 7/21/09 VESSEL:

F/V "NORTHERN EXPLORER"

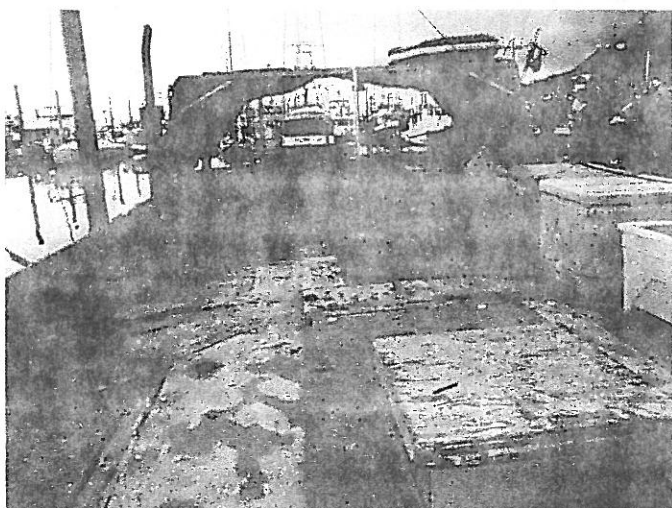
This is to certify that the undersigned Surveyor, at the request of Ms. Lorinda Kassner of the Alaska Division of Investments, did attend aboard the fishing vessel "NORTHERN EXPLORER", Official No. 581477, on, 13 July, 2009, while it was under Marshall's arrest in Eliason Boat Harbor, in Sitka, Alaska, for the purpose of determining its condition, its current fair market valuation, and its general suitability for intended service regarding insurance and finance. The date of this report is the effective date of valuation.

GENERAL DESCRIPTION

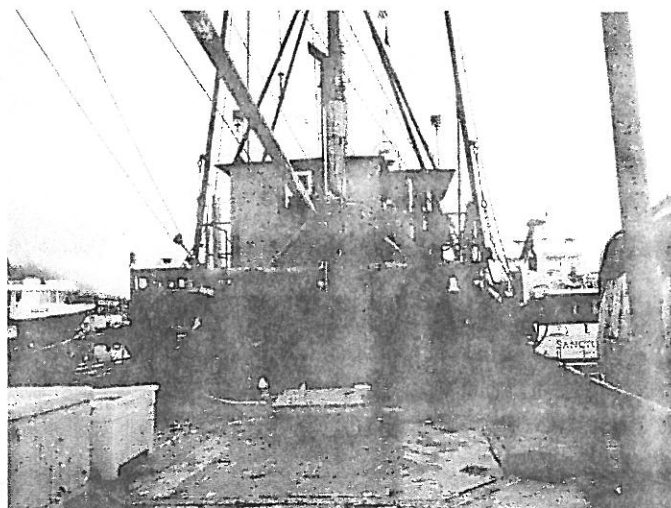
The "NORTHERN EXPLORER" is a welded steel former clam dredger / dragger. It has a raked stem, a modified V, relatively shallow draft bottom with hard chine bilge, and a transom stern. The deckhouse is located forward with a raised pilothouse atop, and decks are on a single level bow to stern. The vessel has most recently been operated in commercial inshore longline fisheries with a limited hold capacity. Aside from a single line hauler there is no other fishing gear aboard and electronics are minimal. The overall appearance is fair to good. The interior is very simply finished with a combination of domestic wood-patterned paneling, newer Birch plywood in the head, some vinyl surfaced Melamine, and a limited amount of carpeting. There is some bare steel exposed in the aft part of the deckhouse. Trim and finish are minimal.

VESSEL: F/V "NORTHERN EXPLORER"

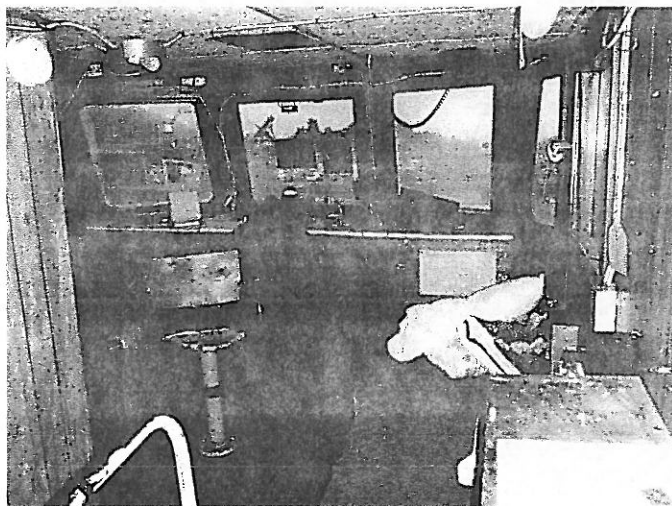
JUL 27 2009



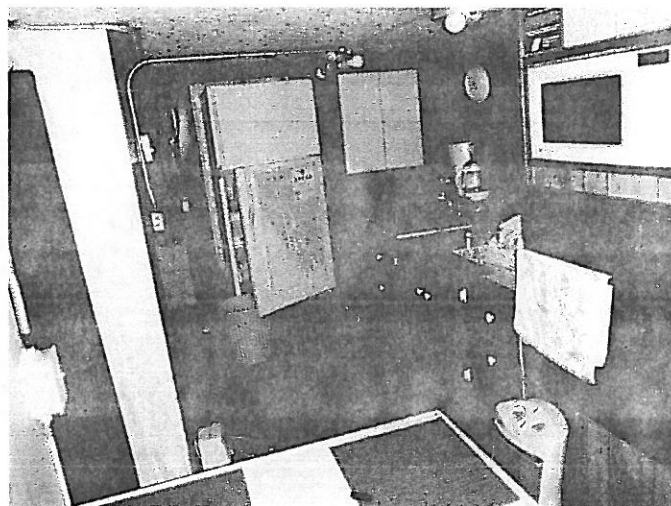
Main deck looking aft



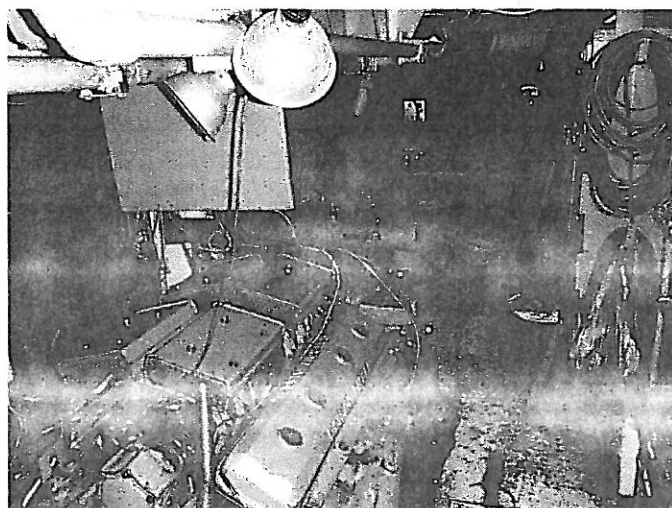
Main deck looking forward



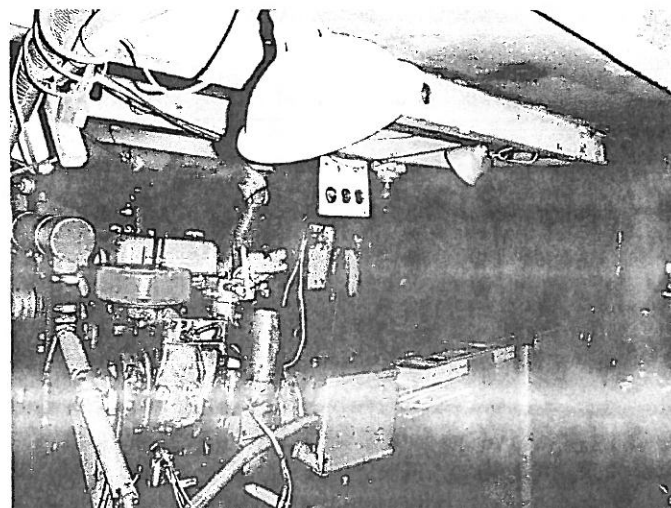
Pilot house



Galley



Engine room



Aft machinery space

VESSEL: F/V "NORTHERN EXPLORER"

Alaska
Division of Investments

JUL 27 2009

VESSEL LAYOUT

Foremost on the main deck level is the bow, aft a small foredeck enclosed by high bulwarks, aft a small trunk with raised coaming and steel hatch cover opening to a void. Aft is the main deckhouse, with a small enclosed crew quarters having single berths forward and to Starboard, stowage beneath. through a hinged door facing inboard is the forward galley; here, to Port is a counter with stowage beneath and in an upper cabinet, aft in a raised cabinet is a domestic electric oven and microwave, aft additional counter with double basin stainless sink and a domestic electric range top. To Starboard, inboard is a small table, outboard past a curtain is an enclosed head with shower stall, a counter with a single basin sink, and a marine toilet. Aft is a stair to the pilothouse, aft a flush hatch in the sole for access to the engine room, inboard the galley refrigerator, outboard to Starboard a domestic upright freezer and stowage space in a stepped up Starboard extension of the cabin, aft a weathertight aluminum door to the main deck. Here, abaft the cabin is the main mast and an open exhaust recess, aft is the main hatch, which is 3' on a side with a 16" wood coaming and a plywood hatch cover. Aft is open deck, with a welded aluminum bait shed 7' X 20' at the stern. a watertight hatch in the deck provides access to the lazarette.

Foremost on the lower deck level is a void, which at the time of survey was 60% filled with water, presumably as ballast. Below it is the vessel's fresh water tank. Aft is the engine room, aft, through a watertight hatch is a void surrounding the vessels dry hold, which is a steel insert with unlined sprayed foam on the interior. Its capacity is approximately 650 cubic feet, which equates with approximately 34,000# of fish, and it is fitted with a small four-fan blast freezer. To Port of the hold is a hydraulic reservoir and sanitary holding tank. To Starboard are a domestic washer-dryer and a walkway to an open machinery space with auxiliary generator, a small refrigeration unit, and stowage. Aft is a watertight ballast compartment, capacity unknown, with non-watertight hatch covers on deck. Aft is the lazarette, and the steering gear.

The upper deck consists of a pilothouse with helm on a full-width console, to Port a chart table, aft an enclosed, open stateroom. To Starboard is a pilot berth, aft an open area and a hinged wooden door to a narrow surrounding upper deck with railing and accessing the anchor windlass forward of the pilothouse.

SURVEYOR'S NOTES

As the vessel was surveyed while afloat, no observation of the hull below waterline for wear and tear, corrosion, or unrepaired damage could be made, and no opinion is offered. The hull lacks longitudinal stringers above the level of the chine, and as a result, the hull is dished aft of amidships. For the purpose of achieving a valuation only, the underbody has been assumed to be in satisfactory condition for safe operation, and free of significant defects.

The vessel's main engine, which may have been overhauled and started well, and the drive train, as well as both auxiliary engines, were operated briefly in the slip for evaluation, and appear to be in satisfactory condition for normal use. The #1 generator required ether for starting. Neither generator was put on line to test the electrical output. No sea trial was performed on the vessel. For a more complete evaluation of overall condition, a mechanical survey is recommended.

As surveyed, the vessel presently lacks sufficient fishing gear for viable operation. It has some tendering capacity, though with the extremely limited hold capacity for a vessel of its size, the NORTHERN EXPLORER would be forced to rely on deck carriage of fish totes, and there is no stability plan aboard to define that operation. Upon compliance with starred (**) Recommendations, and assuming prudent use by the operator under reasonable sea and weather conditions for a vessel of this size, this vessel should then perform satisfactorily within its physical limitations for the intended use of commercial fishing or limited fish tendering service on the coastal and inland waters of Southeast Alaska. **For further observations, see the RECOMMENDATIONS.**

This is a Limited Report of Survey. It sets forth the apparent condition of the vessel, including hull, machinery, equipment, fittings, and gear, to the best of the Surveyor's ability without removal of bulkheads, panelings, ceilings, or other portions of its structure, without the opening of its machinery or its auxiliaries for internal examination or their operation for performance study, and without the scaling of masts or rigging. It represents the Surveyor's honest and unbiased opinion, based on his opinions, experience, and work within the marine industry. The Surveyor accepts no responsibility for omissions based on information that has not been brought to his attention, nor for errors based on information not normally discoverable while acting with due diligence, nor for any conditions that may arise from said errors or omissions. In submitting this survey, it is understood by all parties concerned that this survey is not to be considered a guarantee of its accuracy, nor does it create any liability on the part of the Surveyor arising from the reliance on the information contained herein.

JUL 27 2009

CONFIDENTIAL MARINE SURVEY REPORT

VESSEL F/V "NORTHERN EXPLORER"
 TYPE Oil Screw / Displacement / Pot & longline fishing
 BUILDER Sun Contractors, Harvey, La. YEAR 1977
 SPEC. Welded steel hard chine fishing vessel; former clam dredge, recently in longline and pot shellfishery
 ADF&G #64572

OFFICIAL NO. 581477 L.O.A. 68.0'
 REG.L. 63.0' BEAM 20.0' DRAFT 8.0'
 DEPTH 10.4' GROSS 84 NET 57
 SERVICE Commercial fishing
 PRIMARY AREA OF Coastal Waters of S. E. Alaska
 OPERATION
 OWNER State off Alaska Division of Investments
 REQUESTED BY Lorinda Kassner
 ADDRESS P. O. Box 34159
 Juneau, AK 99803
 ATTENDING Caretaker Rick Whitson and Surveyor

HULL STRUCTURE

MATERIAL Mild Steel
 THICKNESS 1/4" shell, 5/16" bottom
 FRAMING Transverse 1/4 X 3" angles, 24" on center and transverse bulkheads
 TRUSSES/BEAMS Transverse 1/4 X 3" angles, 24" on center
 DECKS 1/4" and 5/16" steel
 BULKHEADS Four steel; forward is watertight
 FASTENED Welded
 GUARDS 6" pipe section main guard, removed Starboard side amidships; 3" pipe cap at sheer
 CEILING N. A.
 STRINGERS 2 X 3" angles 24" on center, aft hull bottom only, 36" depth 5/16" plate engine room to fish hold
 CLAMPS N.A.
 SHELF N.A.
 OTHER
 BULWARKS / FREEING PORTS 1/4" steel hull extensions with 3" pipe caps; 3" pipe section stanchions 4' on center. 60" height @ bow, 30" amidships to stern. Four 8 X 12" freeing ports ea. side main deck
 HOUSE Welded 3/16" steel with LEXAN fixed windows and wooden door in top house, portlights and aluminum door, main house, plywood and veneer panel interior

SURVEY # 1083213 REPORT DATE 3/18/08
 DATE OF SURVEY 3/14/08
 LOCATION Afloat in Eliason Boat Harbor, Sitka, Alaska

MAIN ENGINE(S)

MAKE GMC/DETROIT MODEL 12V-71
 Serial # not observed
 CYLINDERS 12 HP 365 AGE Unknown
 START 32V RPM 2450 G.P.H.
 ASPIRATED Supercharged
 VENTILATION One 5 X 24" cowl
 CONTROLS MORSE cable throttle and shift, 2 stations
 COOLING Box Keel EXHAUST Dry Stack
 EXHAUST CLEAR OF WOODWORK? Requires lagging
 ENGINE HRS Hour meters differ; unknown BLOWERS
 OVERHAUL MOH reported 12/05 None req'd
 RED. GEAR TWIN DISC MG 514
 RATIO 6.0:1 CLUTCH Hydraulic
 ALARMS Oil pressure, coolant temp. and level, not tested
 ATTACHED UNITS One est. 60 amp, 32V alternator, TWIN DISC manual front PTO with SPENCER est. 35 GPM hydraulic pump, GRESCEN 12 GPM hydraulic pump on CLUTCHMASTER cam drive, cooling pump, two DAHL fuel filters, dual pyrometers
 BILGE CONDITION Oily in engine room

AUXILIARY ENGINE #1

MAKE GMC / DETROIT MODEL 2-71N 2-cycle
 Serial # not found
 CYLINDERS 2 HP AGE Unknown
 START 12V RPM 1800 G.P.H.
 ASPIRATED Supercharged VENT. W/ main
 CONTROLS Integral
 COOLING Keel cooler EXHAUST Dry stack**
 EXHAUST CLEAR OF WOODWORK? Requires lagging
 ENGINE HRS 6,646 on meter OVERHAUL Cyl head 2005
 ALARMS Not tested FIRE ARREST Portable
 USE Drives a DELCO 20 KW, 3Ø generator, with a 12V alternator, cooling pump and RACOR fuel filter
 Accuracy of hour meter unknown
 Located Starboard engine room

Alaska NAVIGATION EQUIPMENT Division of Investment - AUXILIARY ENGINE #2

JUL 27 2001

| | | | | | | | |
|---------------|---|------------------|----------------------------|---|-------------|----------------|---------|
| COMPASS | RITCHIE 6" hemispherical WHITE 6" card for autopilot | | MAKE | GMC / DETROIT | MODEL | 2-71N 2-cycle | |
| | | | | Serial # | not found | | |
| RADIO 1 | ICOM IC-M59 | VHF | CYLINDERS | 2 | HP | AGE | Unknown |
| RADIO 2 | RAYTHEON RAY45 | VHF | START | 12V | RPM | 1800 | G.P.H. |
| RADIO 3 | STEPHENS SEA 209 | Single Side Band | ASPIRATED | Supercharged | VENT. | W/ main engine | |
| RADIO 4 | | | CONTROLS | Integral | | | |
| OTHER | | | COOLING | Keel cooler | EXHAUST | Dry stack | |
| LORAN | | | EXHAUST CLEAR OF WOODWORK? | Requires lagging | | | |
| RADAR | FURUNO Mod. 1715 | 24 mile LCD-type | ENGINE HOURS | unknown | OVERHAUL | Minor, 2003 | |
| GPS / PLOTTER | FURUNO GP 32 digital receiver | | ALARMS | Not tested | FIRE ARREST | Portable | |
| FATHOMETER | RAYTHEON V850 color video | | USE | Drives a DELCO 20 KW, 3Ø generator, with a 12V alternator, cooling pump and RACOR fuel filter Located in aft machinery space | | | |

AUTOPILOT COMNAV Model 1001 with one #201 remote control

WATCH ALARM
 LIGHTS Approved, with anchor light for steaming
 SPOTLIGHT One manual-remote control
 OTHER STANDARD Horizon LH-10 hailer / alarm

BATTERIES

| NO. | SIZE | TYPE | LOCATION |
|-----|------|------------|-------------------------|
| 1 | 2-D | 12V marine | Helm console |
| 4 | 4-D | 8V marine | Below sole, engine room |
| 1 | 8-D | 12V marine | Adjacent Gen. #1 |
| 1 | 8-D | 12V marine | Adjacent Gen. #2 |

TRAYS All in wood or plastic boxes

PROTECTED All in wood or plastic boxes

DISCONNECT Vaportight switches on all but pilothouse and Gen. #2 batteries

ELECTRICS

WIRE TYPE Stranded copper VOLTAGE 12, 32V
 PROTECTION One 16-circuit 23V fuse block inside steering console and one 4-circuit 12V fuse block above console; no dedicated switch panels, some circuits appear unprotected.
 FIXTURE TYPE Protected / unprotected
 AC CIRCUITS Shore / On board circuitry with SQUARE D ship-shore selector switch, CONSELECT generator selector panel W/ metering, SQUARE D 19-circuit main 3Ø panel in engine room and 4-circuit subpanel in pilothouse
 BONDING Integral

TANKS - FUEL AND WATER

FUEL Dsl #2 CAPACITY 10,000 Gal. MAT'L Steel
 LOCATION Outboard in engine room

LINES Steel pipe, flex VALVES at tanks
 VENT LINES Pipe, outboard
 WATER CAPACITY 500 Gal. MAT'L Steel
 LOCATION In bow

HOT WATER TANK 50 Gal. RICHMOND domestic 120V
 LOCATION Port engine room

OTHER (1) 110 Gal. lube oil tank, 30 gal. hydraulic tank
 (2) 200 Gal. hydraulic reservoir
 LOCATION (1) Starboard side engine room (lube not in use)
 (2) Starboard side of main fish hold

TANK MOUNTS Integral
 HOLDING TANK One 30 Gal. plastic

HULL CONNECTIONS

VALVES 12" sea chest with gate valve, not in use; one 2" ball for washdown, one 1 1/2" ball for refrigeration system (inoperable)
 PIPING Steel pipe and neoprene hose in fair to good condition

STEERING AND SHAFTS

STEERING TYPE Roller chain to shaft to cable quadrant

STATIONS Wheelhouse, plus autopilot remote

RUDDER Not Inspected

TAILSHAFT 4" stainless steel

INTERMEDIATE SHAFT 4" cold-rolled steel

INTERMEDIATE BEARINGS Not visible

STERN BEARING Not Inspected

PROPELLER Not Inspected

COUPLINGS One rigid-type visible

ZINC Not Inspected

PROTECTION

FIRE FIGHTING EQUIPMENT

FIXED SYSTEM NONE
TYPE

APPROVED

SPACES SERVED

| SENSORS | RELEASE |
|---------------------|----------------------------|
| PORTABLE 1 5.0# | TYPE Dry Chem 2-A;10-B:C |
| LOC Wheelhouse | TEST Tagged 5/94, gauge OK |
| PORTABLE 2 2.0# | TYPE Dry Chem 4-B:C |
| LOC Wheelhouse | TEST No tag, gauge OK |
| PORTABLE 3 10.0# | TYPE Dry Chem 4-A;60-B:C |
| LOC Galley, loose | TEST Tagged 3/93, gauge OK |
| PORTABLE 4 5.0# | TYPE CO2 5-B:C |
| LOC Galley, loose | TEST No tag or gauge |
| PORTABLE 5 20.0# | TYPE CO2 15-B:C |
| LOC Engine room | TEST Tagged 6/07 |
| PORTABLE 6 20.0-# | TYPE CO2 15-B:C |
| LOC Aft mach. space | TEST Tagged 6/07 |
| FIRE ALARMS | None found |

REFRIGERATION

GALLEY KENMORE 18 cu. ft. domestic refer / freezer
AMANA 17 cu. ft. upright freezer

HOLD/ OTHER MANEUROP self-contained 5 HP refrigeration unit
for LARKIN 4-fan blast freeze evaporator in fish
hold. Capacity est. 5 ton. Located aft machinery
space

DECK MACHINERY & RIGGING

ANCHOR 300# DANFORTH-type

RODE 2 Fathoms 4/4" chain, 15 Fathoms 5/8" chain, 50 Fathoms 9/16" cable

WINDLASS ROWE enclosed hydraulic drum

MASTS One 12" i.d. step-tapered steel stepped on bottom, four 3" pipe A-frame supports, climbing rungs

HOIST / WINCH PULLMASTER PL-2 main boom topping winch

BOOMS One 5" steel, reported to be Sched. 80

HOIST / WINCH One ea. PULLMASTER PL-2 hoisting and vanging

RIGGING One 5" steel pipe drag crossbar with stabilizer pole brackets on outboard ends

Two 3" steel pipe stabilizer poles, with 2 1/2" aluminum pipe forward stifflegs

One 17" MARCO pot hauler on 3" steel pipe fixed crab davit

Unknown 9" hydraulic deck winch

Two large steel stabilizer vanes

OTHER

PUMPS

| | | |
|-----------------|---------------------------------------|------------|
| MAKE SIMER | TYPE Centrif | DRIVE 120V |
| SIZE 3/4" | USE Engine bilge, automatic | |
| MAKE CRANE | TYPE Centrif | DRIVE 220V |
| SIZE 1 1/2" | USE Salt water washdown | |
| MAKE ITT JABSCO | TYPE Implr | DRIVE 12V |
| SIZE 1 1/2" | USE Holding tank discharge | |
| MAKE SIMER | TYPE Centrif | DRIVE 220V |
| SIZE 1" | USE Condenser cooling | |
| MAKE STAR | TYPE Centrif | DRIVE 120V |
| SIZE 3/4" | USE Fresh water | |
| MAKE HONDA | TYPE Centrif | DRIVE Gas |
| SIZE 2" | USE Aux hold, fire, etc. | |
| MAKE | TYPE | DRIVE |
| SIZE | USE | |
| MAKE | TYPE | DRIVE |
| SIZE | USE | |
| BILGE ALARMS | One sighted in engine room, tested OK | |

STOVES AND VENTILATION

HEATERS One 110V fan-forced located in pilothouse, plus portable electric in main cabin

GALLEY WHIRLPOOL 4-burner electric range top
STOVE TAPPAN electric oven

CABIN VENTILATION Doors and windows

FUEL NA
HEAT SHIELD Adequate

Alaska
Division of Investments
JUL 27 2009

SAFETY EQUIPMENT

SKIFFS 8' ACHILLES inflatable, Hull# ACH00674K192, in fair to good condition

E.P.I.R.B. ALDEN Category 1 406 MHz, static release to 2/2010, battery to 8/2010

RAFTS DBC 6 man Coastal Pack, static TEST
release to 6/2010 to 6/2010

HORN None found BELL

JACKETS

RAILINGS Welded 3/4" steel pipe rail, upper deck, with ladders to pilothouse roof and main deck

SUITS 5 adult survival suits

OTHER All required placards, CO detectors (batteries expired)

LIFERINGS Three, two with tethers

SAFETY DEVICES EASILY ACCESSIBLE? Yes

FLARES SOLAS flare kit expired; at present three red hand-held to 6/2010

EQUIPMENT NOT OTHERWISE NOTED

LESTER 40 amp, 32V, and POWER SOURCE Model PC 30, 12V non-marine battery chargers

7 X 20' Medium-duty welded aluminum bait shed on aft deck with back curtain, four quartz lights, bait tables

Two 500 Watt sodium crab lights, four 300 Watt quartz deck lights

GP Model WM3015C hi pressure water maker, rated 3 GPD, with 15 Gal. receiver, in engine room

Two cylinder air compressor with 20 gal. air tank, 5 HP 120V motor

MILLER AC / DC welder and oxyacetylene welding - cutting torch

WESTINGHOUSE Spacemate compact washer-dryer; WESTINGHOUSE microwave oven

One NKOTA 110V portable air compressor

Two medium and one small BONAR insulated plastic fish totes

One ea. DELTA and SEARS 6" bench grinders

Misc small hand tools, filters, etc.

APPARENT LEVEL OF CARE AND MAINTENANCE AND VALUATION CONSIDERATIONS:

Fair to good overall. Onshore design, suitable for fishing on inside and coastal waters. Small hold size and inefficient below decks layout hampers efficiency and tendering capacity. Cramped quarters with unfinished interior. Basic electronics package, little fishing gear. Requires modifications to compete well in current commercial fishing market in Alaska.

CURRENT ESTIMATED FAIR MARKET VALUE OF VESSEL AS EQUIPPED

\$155,000.00

CURRENT ESTIMATED REPLACEMENT COST NEW OF VESSEL AS EQUIPPED

\$950,000.00

This survey sets forth the apparent condition of the vessel, including hull, machinery, equipment, fittings and gear to the best of the Surveyor's ability without removal of bulkheads, panelings, ceilings or other portions of the structure and without the opening of machinery or auxiliaries for internal examinations or their operation for performance study. It represents the Surveyor's honest and unbiased opinion, but in submitting this survey it is understood by all parties concerned that this survey is not to be considered a guarantee of its accuracy, nor does it create any liability on the part of the Surveyor arising out of the reliance on information contained in this survey.

SUBMITTED WITHOUT PREJUDICE,



VESSEL: F/V "NORTHERN EXPLORER"

Alaska
Division of Investment

JUL 27 2009

NOTES ON VALUATION

The valuations made in this report are exclusive of expendable items, removable personal equipment, possessions, spare parts, stores, bunkers or other consumables. The effective date of the valuation corresponds to the issue date of this report.

There are three accepted approaches used in appraisal analysis:

- **COST APPROACH:** Based on the proposition that the informed purchaser would pay no more for an asset than the cost of producing a substitute new asset with the same utility as the subject asset. When the subject asset is not new, the current cost to replace it must be adjusted for all forms of depreciation as of the effective date of the appraisal.
- **INCOME APPROACH:** Considers the value of the asset in relation to the present worth of future benefits derived from its ownership, and is typically measured through the capitalization of a specific level of income. This is the least common approach used in the valuation of vessels since it is difficult to isolate income attributable to the asset alone.
- **COMPARABLE SALES APPROACH:** Also known as Market Approach. Involves the collection of market data pertaining to the subject asset being appraised. The primary intent of the market approach is to determine the desirability of the asset and recent sales or offerings of similar assets currently on the market in order to arrive at an indication of the most probable selling price for the asset being appraised. If the comparable sales are not exactly similar to the asset being appraised, adjustments must be made to bring them as closely in line as possible with the subject asset.

The undersigned has used a Market Approach, Sales analysis method for the appraisal of value. Market value is defined as:

"The most probable price which a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and assuming the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

- a) Buyer and seller are typically motivated;
- b) Both parties are well informed or well advised, and acting in what they consider are their best interests;
- c) A reasonable time is allowed for exposure in the open market;
- d) Payment is made in terms of cash in United States dollars or in terms of financial arrangements comparable thereto; and,
- e) The price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale."

-American Society of Appraisers, The Uniform Standards of Professional Appraisal Practice, 2003 edition-

This market approach for the subject vessel makes use of appraisal guides such as BUC, ABOS, NADA and POWERBOAT GUIDE as appropriate for exact make and model or closest equivalent production vessels, as well as SOLDBOATS actual sales database, broker listings, and internal sales databases, all with appropriate adjustments for vessel age and condition, accessories, and location. Replacement values are based on closest comparable vessel of contemporary (new) manufacture.

CERTIFICATION OF REPORT

- The undersigned is an Accredited Marine Surveyor according to the requirements of the Society of Accredited Marine Surveyors (SAMS). He is an associate member of the American Society of Appraisers, conforming to the Uniform Standards of Professional Appraisal Practice (USPAP).
- The undersigned marine surveyor has personally inspected the subject vessel.
- The undersigned has no financial interest, or contemplated future interest, in the vessel appraised, nor does the surveyor have a personal interest or bias with respect to the parties involved. Fees charged for the appraisal are based on a standard fixed fee and are not contingent on the reporting of a predetermined value.
- The values set forth in this report are presented as the surveyor's considered opinion, and are based on the data, professional analysis, opinions, and conclusions set forth in this report.

This survey is prepared for the exclusive use of the client whose name and address appear on Pages 1 and 2, and this report is not transferable without the client's permission. The intended users of this report and appraisal are the client and those lenders and underwriters considering financing or insuring this vessel for this client only. This report by itself does not contain all the components necessary for a prepurchase decision, and other potential buyers are specifically excluded as third party users of this report.

VESSEL: F/V "NORTHERN EXPLORER"

Alaska
Division of Investments

JUL 27 2008

RECOMMENDATIONS

LEGAL REQUIREMENTS: These findings may constitute a violation of USCG or State regulations. They should be addressed before the vessel is next underway.

1. The vessel is equipped with safety gear in accordance with Coast Guard Regulations for Commercial Fishing vessels operating outside 12 nautical miles from shore with the exception of the signaling kit. For operations outside 12 miles a complete SOLAS flare kit is required. (46 CFR 28.145)
- **2. All portable fire extinguishers are to be inspected and tagged. Loose units are to be permanently mounted and distributed adjacent exit paths according to CFR 46 28.160.

SAFETY REQUIREMENTS: These findings may constitute an endangerment to personnel and/or affect the vessel's safe and proper operating condition, according to current voluntary standards. They should be addressed before the vessel is next underway, or within the stated timeline.

3. Relocate the upright freezer so that a proper ladder can be installed in the engine room access hatch.
- **4. For compliance with Coast Guard Regulations for Commercial Fishing Vessels, belt guards are to be installed on the main and auxiliary engines, and lagging is to be installed on all engine exhausts where they may come into contact with personnel or combustible surfaces.. (46 CFR 28.215, ABYC P-4.5.5)
- **5. For passenger safety, recommend installation of a combination smoke and Carbon Monoxide (CO) detector with audible alarm in each main accommodation space. (ABYC A-24.7.1 and NFPA 302, 12.3)

IMMEDIATE ATTENTION: These items should be corrected prior to continued vessel operation.

- **6. The exhaust connection above the #1 generator is poorly made, resulting in a significant exhaust leak. Replace existing clamped connections with welded flange-type connections, properly gasketed and supported. There is also a small leak in the #2 generator exhaust piping, which is to be repaired as found necessary.

DIRECTED ATTENTION: These items should be corrected in the near future to help the vessel maintain its current value and safe and proper operating condition.

7. At the time of the survey inspection, the forepeak of the vessel was partially filled with ballast water, and an unknown amount of ballast water was in a stern ballast compartment. No stability report was found aboard the vessel, limiting its usage and apparent suitability for service. Provide a stability booklet prior to future use.
- **8. The shore power cord is improperly installed and is chafing on the back of the main deck house. It is to be wired to a proper marine twist lock end, and a corresponding marine receptacle of suitable capacity is to be hard wired into the vessel's shore power breaker panel. Because the distance between the shore power connection and the main breaker panel appears to be greater than 10 feet, an additional fuse is to be installed between the connector and breaker switch. (ABYC 11.12.2.9.2)
- **9. Service the refrigeration system sea water intake valve and all other sea valves and prove operable. The abandoned 12" valve on the vessel's main sea chest is to be capped to prevent accidental flooding, and the attached 2" seawater take-off is to be provided with a shutoff valve at the sea chest. (ABYC H -27.5.1)
10. Prove operable oil pressure and overheat alarms on all engines, to be audible from the main helm station.

WHEN THE STARRED (**) RECOMMENDATIONS ON THIS PAGE ARE CORRECTED, AND WHEN OPERATED BY A KNOWLEDGEABLE, CAPABLE AND PRUDENT SEAFARER, THIS VESSEL, AS CURRENTLY EQUIPPED, CAN BE CONSIDERED AN ACCEPTABLE PHYSICAL RISK FOR THE PURPOSES OF USE, SALE, INSURANCE, AND FINANCE, AND WELL SUITED FOR THE STATED INTENDED USE. RECOMMENDATIONS NOT SO NOTED DO NOT AT PRESENT SIGNIFICANTLY DETRACT FROM THE SUITABILITY OR SAFETY OF THE VESSEL, AND ARE TO BE SATISFIED WITHIN A REASONABLE PERIOD OF TIME, OR AS OTHERWISE NOTED.

VESSEL: F/V "NORTHERN EXPLORER"

Division of Investments

JUL 27 2009

RECOMMENDATIONS Continued....

DIRECTED ATTENTION: These items should be corrected in the near future to help the vessel maintain its current value and safe and proper operating condition.

- **11. The four 8V batteries in the main engine starting bank also serve the vessel's other 32V systems. The batteries are in poor condition. Provide new dedicated starting and house batteries for the 32V system. Further, the #1 auxiliary engine starting battery is in poor condition. Replace battery as found necessary.
- **12. Correct reverse polarity in forward crew quarters 120V outlet. Install a filler plate into the opening in the front of the main AC distribution panel. Remove abandoned electrical conductors found in the engine room, pilot house, and elsewhere. Replace numerous extension cords, domestic multi-tap electrical appliances, and residential-type twist on line connectors with approved permanent marine wiring and receptacles. (ABYC E-9.17.12.7)
- 13. 32V DC circuitry is protected by a single fuse block in the steering console. It appears that the 12V devices in the pilothouse are served by a battery inside the steering console and are individually fused. A fused distribution panel is to be installed in the engine room to serve existing 12V and 32V circuitry. Install permanent wiring with proper fuse protection on the holding tank discharge pump in the aft machinery space. (ABYC E-9.11-20)
- **14. The vessel is presently served by a single 120V submersible pump for bilge maintenance. Install an additional automatic bilge pump or pumps, connected to the vessel's DC system, to securely maintain the engine and aft bilges. (46 CFR 28.255)
- 15. Secure draped fuel lines from the engine room to the aft auxiliary engine. Lines should be replaced with permanent, rigid fuel piping.
- **16. Install watertight covers on the aft ballast tanks.

RECOMMENDATIONS: These findings are descriptions of items noted that are of non-structural or cosmetic nature, or which fall under a longer timeline for repair. Corrections to these items will normally enhance the value of the vessel and/or preclude future deterioration of condition or value.

- 17. Replace severely wasted deck beams in lazarette compartment. Inspect ballast tank forward of lazarette for wastage and repair as found necessary.
- 18. Replace Plexiglas pilothouse windows, which are fogged due to extended U V exposure, with Lexan or heavy duty safety glass.
- 19. The vessel's sanitary holding tank is temporarily piped, and the tank vent is open to the aft machinery space. Permanently install the tank discharge pump and piping, and route the vent line overboard. A deck pumpout connection is to be installed for compliance with 33CFR159.85.
- 20. Interior hull surfaces aft of the engine room have coating failure, and are to be properly prepared and coated against corrosion.

WHEN THE STARRED (**) RECOMMENDATIONS ON THIS PAGE ARE CORRECTED, AND WHEN OPERATED BY A KNOWLEDGEABLE, CAPABLE AND PRUDENT SEAFARER, THIS VESSEL, AS CURRENTLY EQUIPPED, CAN BE CONSIDERED AN ACCEPTABLE PHYSICAL RISK FOR THE PURPOSES OF USE, SALE, INSURANCE, AND FINANCE, AND WELL SUITED FOR THE STATED INTENDED USE. RECOMMENDATIONS NOT SO NOTED DO NOT AT PRESENT SIGNIFICANTLY DETRACT FROM THE SUITABILITY OR SAFETY OF THE VESSEL, AND ARE TO BE SATISFIED WITHIN A REASONABLE PERIOD OF TIME, OR AS OTHERWISE NOTED.